INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)	Atty. Docket No. 19721	Application No. 10/575,049
	Applicants David Morritz De Kretser, et al.	
	Filing Date November 13, 2006	Group Art Unit 1644

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE YY-MM-DD	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	1.	WO 03/006057	2003-01-23	PCT				
	2.	WO 99/10364	1999-03-04	PCT				
	3.	WO 03/066081	2003-08-14	PCT				

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	4.	Murata T. et al., "Anti-activin A Antibody (IgY) Specifically Neutralizes Various Activin A Activities", *P.S.E.B.M. 211(1)*: 100-107 (1996)
	5.	Hubner G. et al., "Activin A: A Novel Player and Inflammatory Marker in Inflammatory Bowel Disease?", *Laboratory Investigation 77(4)*: 311-318 (1997)
	6.	De Kretser D. M. et al., "Activin A and follistatin: their role in the acute phase reaction and inflammation", *Journal of Endocrinology 161*: 195-198 (1991)
	7.	Alexander C., et al., "Bacterial lipopolysaccharides and innate immunity", *Journal of Endotoxin Research 7(3)*: 167-202 (2001)
	8.	Benayoun L. et al., "Airway Structural Alterations Selectively Associated with Severe Asthma", *American Journal of Respiratory and Critical Care Medicine 167*: 1360-1368 (2003)
	9.	Bernard D. J., "Both SMAD2 and SMAD3 Mediate Activin-Stimulated Expression of the Follicle-Stimulating Hormone β Subunit in Mouse Gonadotrope Cells", *Molecular Endocrinolgoy 18(3)*: 606-623 (2004)
	10.	Billestrup N. et al., "Inhibition of somatotroph growth and growth hormone biosynthesis by activin in vitro", *Mol Endocrinol 4(2)*: 356-362 (1990)
	11.	Brown C. W. et al., "Insertion of *Inhbb* into the *Inhba* locus rescues the *Inhba*-null phenotype and reveals new activin functions", *Nature Genetics 25*: 453-457 (2000)
	12.	Bunin B. A., "The combinatorial synthesis and chemical and biological evaluation of a 1,4-benzodiazepine library", *Proc. Natl. Acad. Sci. USA 91*: 4708-4712 (1994)
	13.	Corrigan A. Z. et al., "Evidence for an autocrine role of activin B within rat anterior pituitary cultures", *Endocrinology 128(3)*: 1682-1684 (1991)
	14.	Coyle A. J., "Mice Lacking the IFN-γ Receptor Have an Imparied Ability to Resolve a Lung Eosinophilic Inflammatory Response Associated with a Prolonged Capacity of T Cells to Exhibit a Th2 Cytokine Profile", *The Journal of Immunology 156*: 2680-2685 (1996)
	15.	De Bleser P. J. et al., "Localization and Cellular Sources of Activins in Normal and Fibrotic Rat Liver", *Hepatology 26*: 905-912 (1997)
	16.	Demura R. et al., "Human Plasma Free Activin And Inhibin Levels During The Menstrual Cycle", *Journal of Clinical Endocrinology and Metabolism 76(4)*: 1080-1082 (1993)
	17.	Demura R. et al., "Competitive Protein Binding Assay For Activin A/EDF Using Follistatin Determination Of Activin Levels In Human Plasma", *Biochemical and Biophysical Research Communications 185(3)*: 1148-1155 (1992)

EXAMINER	DATE CONSIDERED

*** EXAMINER:** Initial if reference considered whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /MH/

INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)	Atty. Docket No. 19721	Application No. 10/575,049
	Applicants David Morritz De Kretser, et al.	
	Filing Date November 13, 2006	Group Art Unit 1644

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)		
	18.	De Witt S. H. et al., "Diversomers": An approach to nonpeptide, nonoligomeric chemical diversity", *Proc. Natl. Acad. Sci. USA 90*: 6909-6913 (1993)
	19.	Eramaa M. et al., "Activin A/Erythroid Differentiation Factor Is Induced during Human Monocyte Activation", *J. Exp. Med. 176*: 1449-1452 (1992)
	20.	Fodor S. P. A. et al., "Light-Directed, Spatially Addressable Parallel Chemical Synthesis", *Science 251*: 767-773 (1991)
	21.	Gilfillan C. P. et al., "Development and validation of a radioimmunoassay for follistatin in human serum", *Clinical Endocrinology 41*: 453-481 (1994)
	22.	Hardy C. L. et al., "Characterization of a Mosue Model of Allergy to a Major Occupational Latex Glove Allergen Hev b 5", *Am J Respir Crit Care Med 167*: 1393-1399 (2003)
	23.	Harrison C. A. et al., "An Activin Mutant with Disrupted ALK4 Binding Blocks Signaling via Type II Receptors", *The Journal Of Biological Chemistry 279(27)*: 28036-28044 (2004)
	24.	Hashimoto O. et al., "A Novel Role of Follistatin, an Activin-binding Protein, in the Inhibition of Activin Action in Rat Pituitary Cells", *The Journal Of Biological Chemistry 272(21)*: 13835-13842 (1997)
	25.	Hubner G. et al., "Serum Growth Factors and Proinflammatory Cytokines Are potent Inducers of Activin Expression in Cultured Fibroblasts and Keratinocytes", *Experimental Cell Research 228*: 106-113 (1996)
	26.	Hubner G. et al., "Strong Induction of Activin Expression after Injury Suggests an Important Role of Activin in Wound Repair", *Developmental Biology 173*: 490-498 (1996)
	27.	Jones R. L. et al., "Inhibin and activin subunits are differentially expressed in endometrial cells and leukocytes during the menstrual cycle, in early pregnancy and in women using progestin-only contraception", *Molecular Human Reproduction 6(12)*: 1107-1117 (2000)
	28.	Keelan J. A. et al., "Activin A Exerts both Pro- and Anti-inflammatory Effects on Human term Gestational Tissues", *Placenta 21*: 38-43 (2000)
	29.	Khoury R. H. et al., "Serum Follistatin Levels in Women: Evidence against an Endocrine Function of Ovarian Follistatin", *Journal of Clinical Endocrinolgoy and Metabolism 80(4)*: 1361-1368 (1995)
	30.	Kitaoka M. et al., "Activin-A: A Modulator of Multiple Types of Anterior Pituitary Cells Masafumi Kitaoka, Itaru Kojima and Etsuro Ogata", *Biochemical and Biophysical Research Communications 157(1)*: 48-55 (1988)
	31.	Knight P. G. et al., "Development and application of a two-site enzyme immunoassay for the determination of 'total' activin-A concentrations inserum and follicular fluid", *Journal of Endocrinology 148*: 267-279 (1996)
	32.	Kobayashi T. et al., "Expression of Inhibin β_A, β_B, and Follistatin mRNAs in the Carbon Tetrachloride Induced Rat Liver Regeneration Model", *Biol. Pharm. Bull. 23(6)*: 755-757 (2000)
	33.	Kohler et al., "Continuous cultures of fused cells secreting antibody of predefined specificity", *Nature 256*: 495-497 (1975)
	34.	Kumar R. K. et al., "Role of interleukin-13 in eosinophil accumulation and airway remodeling in a mouse model of chronic asthma", *Clin Exp Allergy 32*: 1104-1111 (2002)

EXAMINER	DATE CONSIDERED

*** EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /MH/

INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)	Atty. Docket No. 19721	Application No. 10/575,049
	Applicants David Morritz De Kretser, et al.	
	Filing Date November 13, 2006	Group Art Unit 1644

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	35.	Lee C. G. et al., "Interleukin-13 Induces Tissue Fibrosis by Selectively Stimulating and Activating Transforming Growth Factor β_1", *J. Exp. Med. 194(6)*: 809-821 (2001)
	36.	Li X. et al., "Increased Vascularity of the Bronchial Mucosa in Mild Asthma", *Am J Respir Crit Care Med* 156: 229-233 (1997)
	37.	Loria P. et al., "Influence of age and sex on serum concentrations of total dimeric activin A", European *Journal of Endocrinology 139*: 487-492 (1998)
	38.	Maeshima K. et al., "Crucial Role of Activin A in Tubulogenesis of Endothelial Cells Induced by Vascular Endothelial Growth Factor", *Endocrinology 145(8)*: 3739-3745 (2004)
	39.	Manthey C. L. et al., "Endotoxin-Induced Early Gene Expression in CSH?HeJ (*Lps*^{d}) Macrophages^{1}", *The Journal of Immunology 153*: 2653-2663 (1994)
	40.	Matsuse T. et la., "Expression of Immunoreactive and Bioactive Activin A Protein in Adult Murine Lung after Bleomycin Treatment", *Am. J. Respir. Cell Mol. Biol. 13*: 17-24 (1995)
	41.	Matsuse T. et al., "Expression of Immunoreactive Activin A Protein in Remodeling Lesions Associated with Interstitial Pulmonary Fibrosis", *American Journal of Pathology 148(3)*: 707-713 (1996)
	42.	Matzuk M. M. et al., "Functional analysis of activins during mammalian development", *Nature 374*: 354-356 (1995)
	43.	McFarlane J. R. et al., "Measurement of activin in biological fluids by radioimmunoassay, utilizing dissociating agents to remove the interference of follistatin", *Eur J. Endocrinol. 134*: 481-499 (1996)
	44.	Meunier et al., "Gonadal and extragonadal expression of inhibin α, βA, and βB subunits in various tissues predicts diverse functions", *PNAS 85*: 247-251 (1988)
	45.	Michael U. et al., "Rat Follistatin: Goonadal And Extragonadal Expression And Evidence For Alternative Splicing", *Biochemical and Biophysical Research Communications 173(1)*: 401-407 (1990)
	46.	Michel U. et al., "Expresson of follistatin messenger ribonucleic acid in Sertoli cell-enriched cultures: regulation by epidermal growth factor and protein kinase C-depenent pathway but not by follicle-stimulating hormone and protein kinase A-dependent pathway" *Acta Endocrinologica 129*: 525-531 (1993)
	47.	Michel U. et al., "Productionof Follistatin in Porcine Endothelial Cells: Differential Regulation by Bacterial Compounds and the Synthetic Glucocorticoid RU 28362", *Endocrinology 137(11)*: 4925-4934 (1996)
	48.	Michel U. et al., "Serum concentrations of activin and follistatin are elevated and run in parallel in patients with septicemia", *European Journal of Endocrinology 148*: 559-564 (2003)
	49.	Mohan A. et al., "Effect of cytokines and growth factors on the secretion of inhibin A, activin A and follistatin by term placental villous trophoblasts in culture", *European Journal of Endocrinology 145*: 505-511 (2001)
	50.	Nakamura T. et al., "Activin-Binding Protein from Rat Ovary Is Follistatin", *Science 247*: 836-838 (1990)

EXAMINER	DATE CONSIDERED

*** EXAMINER:** Initial if reference considered whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /MH/

INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)	Atty. Docket No. 19721	Application No. 10/575,049
	Applicants David Morritz De Kretser, et al.	
	Filing Date November 13, 2006	Group Art Unit 1644

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)		
	51.	Nakamura T. et al., "Isolation and Characterization of Native Activin B", The Journal of Biological *Chemistry 267(23)*: 16385-16389 (1992)
	52.	O'Connor A. E. et al., "Serum activin A and follistatin concentrations during human pregnancy: a cross-sectional and longitudinal study", *Human Reproduction 14(3)*: 827-832 (1999)
	53.	Orsida B. E., "Vascularity in asthmatic airways: relation to inhaled steroid dose", *Thorax 54*: 289-295 (1999)
	54.	Petraglia F. et al., "Activin A and activin B measured in maternal serum, cord blood serum and amniotic fluid during human pregnancy", *Endocrine Journal 1*: 323-327 (1993)
	55.	Phillips D. J. et al., "Follistatin has a biphasic response but follicle-stimulating hormone is unchanged during an inflammatory episode in growing lambs", *Journal of Endocrinology 156*: 77-82 (1998)
	56.	Phillips D. J. et al., "Follistatin: A Multifunctional Regulatory Protein", *Frontiers in Neuroendocrinology 19*: 287-322 (1998)
	57.	Phillips D. J., "New developments in the biology of inhibins, activins and follistatins", *Trends in Endocrinology & Metabolism 12(3)*: 94-96 (2001)
	58.	Phillips D. J., "Regulation of activin's access to the cell: why is Mother Nature such a control freak?", *BioEssays 22*: 689-696 (2000)
	59.	Poulaki V. et al., "Activin A in the Regulation of Corneal Neovascularization and Vascular Endothelial Growth Factor Expression", *American Journal of Pathology 164(4)*: 1293-1302 (2004)
	60.	Robinson G. W. et al., "Inhibins and activins regulate mammary epithelial cell differentiation through mesenchmal-epithelial interactions", *Development 124*: 2701-2708 (1997)
	61.	Rosendahl A. et al., "Activation of the TGF-β/Activin-Smad2 Pathway during Allerigc Airway Inflammation", *Am J. Respir. Cell Mol. Biol. 25*: 60-68 (2001)
	62.	Russell C. E. et a., "Activin A regulates growth and acute phase proteins in the human liver cell line, HepG2", *Molecular and Cellular Endocrinology 148*: 129-136 (1999)
	63.	Sakai R. et al., "The Measurement Of Activin/EDF In Mouse Serum: Evidence For Extragonadal Production", *Biochemical and Biophysical Research Communications 188(2)*: 921-926 (1992)
	64.	Sakamoto Y. et al., "Determination of free follistatin levels in sera of n ormal subjects and patients with various diseases", *European Journal of Endocrinology 135*: 345-351 (1996)
	65.	Schneider O. et al., "Comparative analysis of follistatin-, activin beta A- and activin beta B-mRNA steady-state levels in diverse porcine tissues by multiplex S1 nuclease analysis", European Journal of Endocrinology 142: 537-544 (2000)
	66.	Shao et al., "Regulation of Production of Activin A in Human Marrow Stromal Cells and Monocytes", *Exp Hematol 20*: 1235-1242 (1992)
	67.	Shao Li-En et al., "Contrasting Effects Of Inflammatory Cytokines And Glucocorticoids On The Production Of Activin A In Human Marrow Stromal Cells And Their Implications", *Cytokine 10(3)*: 227-235 (1998)

EXAMINER	DATE CONSIDERED

*** EXAMINER:** Initial if reference considered whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /MH/

INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)	Atty. Docket No. 19721	Application No. 10/575,049
	Applicants David Morritz De Kretser, et al.	
	Filing Date November 13, 2006	Group Art Unit 1644

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)		
	68.	Stein C. A. et al., "Oligodeoxynucleotides as Inhibitors of Gene Expression: A Review", *Cancer Research 48*: 2659-2668 (1988)
	69.	Takabe K. et al., "Adenovirus-Mediated Overexpression of Follistatin Enlarges Intact Liver of Adult Rats", *Hepatology 38*: 1107-1115 (2003)
	70.	Thomsen G. et al., "Activins Are Expressed Early in Xenopus Embryogenesis and Can Induce Axial Mesoderm and Anterior Structures", *Cell 63*: 485-493 (1990)
	71.	Tilbrook A. J. et al., "The testis is not the major source of circulating follistatin in the ram", *Journal of Endocrinology 149*: 55-63 (1996)
	72.	Tsuchida K. et al., "Activin isoforms signal through type I receptor serine/threonine kinase ALK7", *Molecular and Cellular Endocrinology 220*: 59-65 (2004)
	73.	Ulevitch R. J. et al., "Recognition of Gram-negative bacteria and endotoxin by the innate immune system", *Current Opinion in Immunology 11*: 19-22 (1999)
	74.	Vale W. et al., "Purification and characterization of an FSH releasing protein from porcine ovarian follicular fluid", *Nature 321*: 776-779 (1986)
	75.	Vale W. et al., "The Inhibin/Activin Family of Hormones and Growth Factors", *Chapter 26, Handbook of Experimental Physiology 95*: 211-248 (1990)
	76.	van der Krol A. R. et al., "Modulation of Eukaryotic Gene Expression by Complementary RNA or DNA Sequences", *BioTechniques 6(10)*: 958-976 (1988)
	77.	Van Baalen B. et al., "Traumatic brain injury: classification of initial severity and determination of functional outcome", *Disability and Rehabilitation 25(1)*: 9-18 (2003)
	78.	Van Dijk W., "Interleukin-6-Type Cytokine-induced Changes in Acute Phase Protein Glycosylation", *Annals New York Academy Of Sciences 762*: 319-330 (1995)
	79.	Vassalli A. et al., "Activin/inhibin βB subunit gene disruption leads to defects in eyelid development and female reproduction", *Genes & Development 8*: 414-427 (1994)
	80.	Vihko K. et al., "Activin B: detection by an immunoenzymometric assay in human serum during ovarian stimulation and late pregnancy", *Human Reproduction 13(4)*: 841-846 (1998)
	81.	Vihko K. K. et al., "Activin B in patients with granulose cell tumors: serum levels in comparison to inhibin", *Acta Obstet Gynecol Scand 82*: 570-574 (2003)
	82.	Wakatsuki M. et al., "Immunoradiometric Assay for Follistatin: serum Immunoreactive Follistatin Levels in Normal Adults and Pregnant Women", *Journal of Clinical Endocrinology and Metabolism 81(2)*: 630-634 (1996)
	83.	Wilson J. W. et al., "The measurement of reticular basement membrane and submucosal collagen in the asthmatic airway", *Clinical and Experimental Allergy 27*: 363-371 (1997)
	84.	Woodruff T. K. et al., "Activin A and follistatin are dynamically regulated during human pregnancy", *Journal of Endocrinology 152*: 167-174 (1997)
	85.	Xu J. et al., "Inhibin Antagonizes Inhibition of Liver Cell Growth by Activin by a Dominant-negative Mechanism", *The Journal of Biological Chemistry 270(11)*: 6308-6313 (1995)
	86.	Yu J. et al., "Induced expression of the new cytokine, activin A, in human monocytes: inhibition by glucocorticoids and retinoic acid", *Immunology 88*: 368-374 (1996)

EXAMINER	/Maher Haddad/	DATE CONSIDERED	01/14/2010

* **EXAMINER:** Initial if reference considered whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /MH/